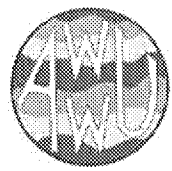




Mayor  
Ethan Berkowitz

# Anchorage Water & Wastewater Utility

General Manager's Office



Board Chair  
Aaron D. Dotson

- Exhibit 3 -

## Proposed Notice of Substantial Change in Waste Stream Discharge

### Industrial User Information:

Submission Date 7-14-20 Waste Stream Change Date 7-14-2020

Facility Name NRC Alaska

Contact Rick Reimer Email rreimer@nrcc.com Phone (O) 907-258-1558 (C) 907-748-7106

New Pollutant Perfluorooctanoic Acid (PFOA)

☐ Proposed New Waste Stream ☐ Substantial Change Volume or Character of existing discharge

Waste Stream Description: ☐ Hauled to Industrial Facility ☐ Industrial Facility Discharge

Water contaminated with Anti Fire Fighting Foam containing Perfluorooctanoic Acid (PFOA)

### Waste Stream Source:

Various sources including industrial complex fire suppression systems testing, firefighting training centers, and contaminated groundwater clean-up activities.

Source Contact: Name Varies Email \_\_\_\_\_ Phone \_\_\_\_\_

Discharge Permit: No. TIPD 2020-001 Limits: Concentration <0.4 ug/L Loading \_\_\_\_\_

Expected Discharge	Daily Average	Daily Max
Volume (gpd):	3309	20,000
Concentration (ug/L):	<0.4 ug/L	<0.4 ug/L
Loading (lb/day):	$1.1 \times 10^{-5}$	$6.67 \times 10^{-5}$

### Treatment Process Description for Pollutant

Prior to discharge, PFOA contaminated water is run through a series of micron filter banks to remove total suspended solids, filtered through a series of vessels containing Organo-Clay media, then filtered through vessels containing Granulated Activated Carbon to remove chemical contaminants, tested prior to discharge to POTW

Anchorage Water & Wastewater Utility

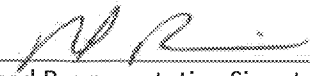


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Phone 907-786-5502 • Fax 907-562-3421 • [www.awwu.biz](http://www.awwu.biz)



"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

  
Authorized Representative Signature

7/14/2020  
Date

### AWWU Determination:

Determination of any anticipated Impact on the POTW  
Discharge is expected to be well below any expected regulated levels.

The concentrations and loadings at discharge to the POTW and the environment are not expected to be significant.

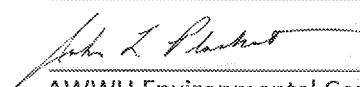
The detected presence in wastewater or residuals is not evidence of risk or significant exposure in excess of background levels.

Approved ☒

Denied

Denial Reason:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
AWWU Environmental Compliance Supervisor

07/14/2020  
Date

#### ADEC Notification:

Send to:  
State of Alaska, Dept of Environmental  
Conservation  
Division of Water  
Wastewater Discharge Authorization Program  
555 Cordova St  
Anchorage, Alaska 99501

#### EPA Notification:

Send to:  
Director Office of Water  
USEPA Region 10  
1200 Sixth Avenue  
Mail Code: 19-CO9  
Seattle, WA 98101

Anchorage Water & Wastewater Utility



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## Reporting Instructions for Notice of Substantial Changes to Waste Stream Discharge

### Reference Information

Under authority of Anchorage Municipal Code 26.50.120 – “Notice of intent to commence new or significantly altered discharge.” and 40 CFR Part 122.42(b), POTW must provide adequate notice to the Director of the following

- (1) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of CWA if it were directly discharging those pollutants; and
- (2) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
- (3) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

### INSTRUCTIONS FOR COMPLETING THE REPORTING FORM

This form must be used to report changes in the volume or characteristics in the Waste Stream discharge as listed below:

1. Specify the date for the proposed new pollutant discharge or the date of the substantial change to the Waste Stream Discharge.
2. Any new pollutants are proposed to be introduced into the facility which meets any of the following criteria: a) are detectable in the influent waste stream and has not been reported in a permit application; (b) has not been approved by AWWU or EPA to be in the influent waste stream; or (c) originates from an indirect discharger, which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging, and has not been approved by AWWU or EPA.
3. Users planning to alter or change the activity at the user's facility that will significantly increase or decrease the volume or alter the content of any existing source of non-domestic pollutant discharge into the municipal sewerage system. This does not include changes in volume or content resulting from shifts in existing production levels at the user's facility. For purposes of this subsection, a significant increase or decrease is defined as a 30 percent increase or decrease in the volume of wastewater currently being discharged by a user whose daily average volume of wastewater discharged into the municipal sewerage system is 100,000 gallons per day or less. For users whose daily average volume of wastewater discharged into the municipal sewerage system is greater than 100,000 gallons per day, a significant increase or decrease is defined as a ten percent increase or decrease in the volume of wastewater currently being discharged. An alteration is defined as any change in chemicals utilized within a process, which will significantly alter the characteristics of the wastewater discharge



4. Waste Stream Description: Describe the type of wastewater being received and treated that contains the "New pollutant". For example: "Contaminated groundwater", "Metal bearing Waste", "Oily Waste", "Organic Wastes", "Leachate", "Unused Product"
5. Mark the appropriate box as wastewater hauled from an offsite location or is generated from a process at the facility.
6. Waste Stream Source: Specify the site or facility and location from where the wastewater originates. Include exact site name if identified from the Alaska Contaminated Sites Program. For Example: "ABC International Airport", "ABC Military Base", "ABC School", "ABC Oil Production Well".
7. Include contact information of someone at the source location who can provide additional detail.
8. Provide the permit number associated with the appropriate treatment for that pollutant and discharge limitations for that pollutant. Enter N/A for a proposed new pollutant discharge.
9. Estimate the expected volume, concentration and loading of the discharge of that pollutant following treatment.
10. Briefly describe the process to adequately pretreat the wastewater to meet discharge limitations.
11. The Chief Executive Officer or Authorized Representative who has the direct overall responsibility of the overall operation has signatory authority to sign.
12. Users shall file a written notice of Intent with the utility prior to commencing discharge into the municipal sewerage system. The form must be submitted to: AWWU Industrial Pretreatment Program, 3000 Arctic Blvd, Anchorage, AK 99503



